

CLAIMS

1. A device in a nozzle for monitoring and/or regulating of gas or liquid occurring in one or more ducts in the nozzle, or mixtures of one or more gases and/or one or more liquids, for example air and paint, in a spraygun for a painting plant, characterised in that a pressure indicator is mounted in the proximity of the end of that duct in the channel which is intended for the gas or liquid or mixture which is to be monitored and/or regulated, and is connected to an electronic circuit for generating a signal corresponding to the pressure prevailing in the duct; and that the electronic circuit is connected to a circuit for regulating one or more valves for adjusting the measured pressure to a desired norm value.
2. The device as claimed in Claim 1, in which the nozzle has one liquid duct and a number of gas ducts, characterised in that both the liquid duct and a number of gas ducts are provided with a pressure indicator; and that the pressure indicators are connected to the electronic circuit which is connected to a valve for each duct with pressure indicator for adjusting the pressure in the duct to the desired norm value.
3. The device as claimed in Claims 1 and 2, characterised in that the electronic circuit includes a circuit for converting an analog signal to a digital signal.
4. The device as claimed in any of the preceding Claims, characterised in that the electronic circuit includes a processor (CPU) for executing thousands of measurements per second for realising as exact and rapid a regulation as possible.
5. The device as claimed in Claim 4, characterised in that the electronic circuit is rehearsed to store the measurement values in a data medium for later monitoring and evaluation.
6. The device as claimed in any of the preceding Claims, characterised in that the electronic circuit includes a low energy or battery section in the immediate proximity

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of the nozzle proper from which section the measurement values are transferred to peripheral equipment with the aid of a per se known transfer technology, for example IR or Blue Tooth,

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